	Application No.	Applicant(s)
Notice of Allowability	09/539,734	HAMMARLUND ET AL.
	Examiner	Art Unit	
	David J. Huisman	2183	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed on May 9, 2006*.

2. ☒ The allowed claim(s) is/are *1-2, 4, 6-14, 16, 18, 20-22, hereafter renumbered as 1-17*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Thomas Coester, Reg. No. 39,637 on June 28, 2006. The application has been amended as

follows:

Amendment to the Title

2.   The final title should read "Method and Apparatus to Selectively Advance a Write

Pointer for a Queue Based on the Indicated Validity or Invalidity of a Trace Instruction Stored

Within the Queue".

Amendments to the Claims

3.   Regarding claim 1:

a) In line 5, replace "includes a" with --includes one of a--.

b) In line 10, replace "indicated invalidity" with --state--.

c) In the 2nd to last paragraph, replace "if the first microinstruction includes the valid

state, the qualitative determination is to retain the first microinstruction, then advancing

the write pointer to indicate" with --if the first microinstruction includes the valid state,

then the qualitative determination is to retain the first microinstruction and the write

pointer is advanced to indicate--.

d) In the last paragraph, replace "if the first microinstruction includes the invalid state,

the qualitative determination is not to retain the first microinstruction, then maintaining

the write pointer to indicate" with --if the first microinstruction includes the invalid state,

then the qualitative determination is not to retain the first microinstruction and the write

pointer is maintained to indicate--.

4.   Regarding claim 8:

a) In line 3, replace "an microinstruction" with --a microinstruction--.

5.   Regarding claim 13:

a) In line 3, replace "includes a" with --includes one of a--.

b) In line 5, replace "based on the first state and the invalid state" with --based on the one

of the valid state and the invalid state--.

c) In line 6-7, replace "if the first microinstruction includes the valid state, the qualitative

determination is to retain the first microinstruction, to advance a write pointer to indicate"

with --if the first microinstruction includes the valid state, then the qualitative

determination is to retain the first microinstruction and a write pointer is advanced to

indicate--.

d) In lines 9-10, replace "if the first microinstruction includes the invalid state, the

qualitative determination is not to retain the first microinstruction, to maintain the write

pointer to indicate" with --if the first microinstruction includes the invalid state, then the

qualitative determination is not to retain the first microinstruction and the write pointer is maintained to indicate--.

6.   Regarding claim 21:

a) In line 6, replace "includes a" with --includes one of a--.

b) In line 11, replace "indicated invalidity" with --state--.

c) In the 2nd to last paragraph, replace "if the first microinstruction includes the valid state, the qualitative determination is to retain the first microinstruction, then advancing the write pointer to indicate" with --if the first microinstruction includes the valid state, then the qualitative determination is to retain the first microinstruction and the write pointer is advanced to indicate--.

d) In the last paragraph, replace "if the first microinstruction includes the invalid state, the qualitative determination is not to retain the first microinstruction, then maintaining the write pointer to indicate" with --if the first microinstruction includes the invalid state, then the qualitative determination is not to retain the first microinstruction and the write pointer is maintained to indicate--.
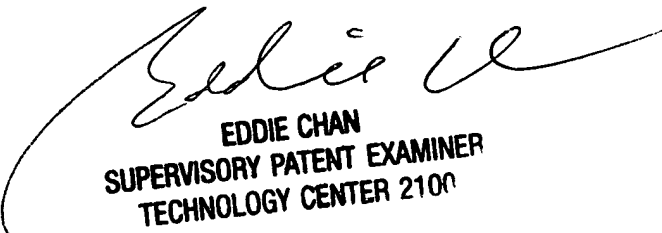
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David J. Huisman whose telephone number is (571) 272-4168. The examiner can normally be reached on Monday-Friday (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie Chan can be reached on (571) 272-4162. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DJH
David J. Huisman
July 5, 2006

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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100